AID P - 4908

. Subject

: USSR/Electronics

Card 1/2

Pub. 90 - 2/10

Author

Shteyn, B. B.

Title

Single sideband modulation with phase rotation systems

Periodical

Radiotekhnika, 6, 13-26, Je 1956

Abst:act

The author explains the principles of the phase-rotation method of generating a single sideband signal with the use of 90-degree phase-shift networks and of three-phase modulation. He finds the three-phase modulation to be more advantageous than the cascade connection of 90-degree phase-shift systems or than the use of passive filters. The author explains in detail the principles of three-phase modulation and describes the experimental part of the work which confirmed the possibility of obtaining a rejection of the second sideband of more than 40 decibels. Twelve diagrams and oscillograms, 2 tables, 6 references (1946-1954) (3 Soviet).

AID P - 4908

Radiotekhnika, 6, 13-26, Je 1956

Card 2,'2 Pub. 90 - 2/10

Institution: None

Submitted : Ap 13, 1955

USSR / Radio physics. Generation and Conversion of Radio-Frequency Oscillations.

I-3

Abs Jour

: Ref Zhur - Fizika, No 5, 1957, No 12461

Author

: Shteyn, B.B.

Inst

. Not given

Title

: Single Sideband Modulation with Separation of the Low Frequency Spectrum.

Orig Pub

: Elektrosvyaz', 1956, No 10, 3-11

Abstract

The formation of a single sideband signal can be effected with the aid of broadband phase shifters with application of three-phase or two-phase modulation. To insure a sufficient degree of suppression of the second sideband (by 40 db), the accuracy of the phase shifts should be not

Card

: 1/4

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020009-9

USSR / Radiophysics. Generation and Conversion of Radio-Frequency Oscillations. I -3

Abs Jour : Ref

: Ref Zhur - Fizika, No 5, 1957, No 12461

Abstract

Peviations of the phase from 90° at the outputs of the phase-shifters and in the fundamental frequency band (from 70 to 700 cycles, and respectively, from 700 to 7000 cycles), do not exceed ±1° and only beyond these bands do they increase to approximately 10° upon doubling the frequency. The latter circumstance, as indicated by the author, does not lead to a deterioration of the suppression of the second sideband frequency, for as the phase shift increases, there is a corresponding reduction in the attenuation of the signal in this channel. Bibliography, 5 titles.

Card

: 4/4

TERRNT YEV, B.P.; ROZENTSVEYG, I.Ye.; SHTEYN, B.B.; SANKIN, N.M., otv.red.; NOVIKOVA, Ye.S., red.; MAZEL, Ye.I., tekhn.red.

* 11 1 1 A 11 1

[Laboratory work with radio transmitting equipment] Laboratornyi praktikum po radioperedaiushchim ustroistvam. Moskva, Gos.izd-vo lit-ry po voprosam sviazi i radio, 1957. 253 p. (MIRA 11:2) (Radio--Transmitters and transmission)

Sov/106-58-2-5/16

AUTHOR: Shteyn, B.B.

CITIE:

Modern Trends in Radio Transmitter Development (Sovremennyye

modern Trends in nadio fransmission both stroystv) tendentsii v razvitii radioperedayushchikh ustroystv)

PERIODICAL: Elektrosvyaz', 1958, Nr 2, pp 29 - 42 (USSR).

Among the recently developed features which contribute ABSTRACT: to improved performance of radio transmitting systems are the following: more efficient cathodes, valves with higher slope and the use of power tetrodes; automatic switching and tuning of remote installations; improved methods of grid and anode modulation for a.m. systems; wide use of grounded-grid circuits in the output stages of amplifiers; the introduction of bridge and other circuits for adding powers at high frequencies; the wider use of single-sideband systems and better arrangements for separating one sideband; the extension of the network of f.m. stations and its improved performance; increased frequency stability of the transmitters. The NII of the Ministry of Communications has developed the "Angara" driver which enables frequencies at intervals of 1 kc/s to be obtained in the range 150-1620 kc/s with an accuracy of 5.10-8. The heart of the apparatus is a crystal oscillator working at 90 kc/s using an X-cut bar excited at its second harmonic with a Q of 2.105. The osci-Cardl/4 llator temperature is maintained at 60 ± 0.2 °C. It is mentioned

Modern Trends in Radio Transmitting Development

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that the "ageing of a quartz resonator causes a drift of about 1.10-6 with some types. Among new valves is mentioned the GU-22A, which when substituted for the current GU-11A in a 50 kW transmitter, lowers the energy consumption by 300 kWh in each 24-hr period. Changing over to air cooling produces a more compact assembly and simplifies servicing. Such an arrangement is used in the shortwave centre at Rugby for the 28-30 kW transmitters. Reference is made to developments in Czechoslovakia including the Tesla transmitters SRV-150 (150 kW), KUY-18/30(s.w.) and the SRV30/B (m.w.30 kW). New valves include the Telefunken RS-726 (80 kW), a Soviet tetrode rated at 10 kW with a power gain of 100, an RCA beam-power metal-ceramic triode for 600 kW in the range 4-30 Mc/s. The advantages of evaporative cooling ere outlined and the Telefunken valves for 10, 35 and 120 kW using this method are mentioned. Previously published details of single- and double-sided amplifier chains used in Czech, German, British and American practice are collated with particular attention to the means adopted for the correct tuning of final stages. Combining transmitter outputs at similar or different frequencies is a valuable technique practised for many years. The contribution of A.L. Mints to the design of the Soviet 500 kW station (1931-33) Card2/4

Sov/106-58-2-5/16

Modern Trends in Radio Transmitter Development

is noted. On short waves I.Kh.Nevyazhskiy has suggested combining powers "in the ether" - a technique used by the BBC in Britain. Figures 6 and 7 show bridge circuits suggested by B.P. Terent'yev for adding the powers from ymmetrical outputs. Corresponding versions for single-ended amplifiers are those of Figures 8 and 9, using, in effect, a bridged-T circuit. The most significant developments in amplitude modulation are the use of the Doherty (Figure 11) circuit and auto-anode modulation (AAM). The latter was suggested by N.G. Kruglov in 1943, and may be used in both common-cathode and common-grid circuits. The K-2 transmitter reconstructed at OPRTs has an unmodulated efficiency of 30 - 31% (previously 18.9%), a distortion coefficient of 3 - 3.5% at 1 000 c.p.s. for m = 0.95 and 5 - 6% at 7 000 c.p.s., noise level -42 db. It has been shown recently by Ye.P. Khmel'nitskiy that the anode circuit efficiency can be increased (from 75.8 to 88.2%) by slightly de-tuning the circuit; the modulation frequency response is practically unaffected. Since the war, more than 2 500 s.s.b. communication links have been commissioned. American practice is quoted on the favourable economics of s.s.b. operation.

Sov/106-58-2-5/16

Modern Trends in Radio Transmitter Development

Attention is drawn to the modulation techniques reported in the appropriate issue of Proc.I.R.E., (1956, Nr 12). Attention is drawn to the production in the USA (by RCA) of the SSB-1 60 W mobile installation providing 4 fixed frequencies between 3 and 15 Mc/s. The introduction by S.I. Tetel'baum in 1938 of optimum amplitude-phase modulation is noted. Figure 13 shows a driver for a pulse-phase modulation system. The IONIIS driver has a distortion of 0.3 - 2% and a noise level of -68 db. The 4-phase modulator due to A.D. Artym is noted. The characteristics of the British FMQ method of direct f.m. of a crystal are reported. The author thanks Prof,B.P.Terent'yev for advice. There are 13 figures and 26 references, 16 of which are Soviet, 1 Czech, 1 German and 8 English.

SUBMITTED: November 22, 1957

Card 4/4 1. Communication systems--USSR 2. Radio transmitters--Development

3. Radio transmitters--Theory

9(8)

PHASE I BOOK EXPLOITATION

sov/3186

Shteyn, Boris Ben'yaminovich, and Nina Abramovna Chernyak

Odnopolosnaya modulyatsiya s pomoshch'yu fazovykh skhem (Single-Band Modulation by Means of Fhase-Shifting Circuits) Moscow, Svyaz'izdat, 1959. 163 p. Errata slip inserted. 7,000 copies printed.

Resp. Ed.: V.M. Rozov; Tech. Ed.: S.F. Karabilova; Ed.: L.I. Vengrenyuk.

PURPOSE: This book is intended for specialists in the field of radio and wire communications.

COVERAGE: This book is devoted to analysis of several methods of shaping single-band signals by means of phase-shifting networks. The authors investigate the principal possibilities of separating a single side-band and present a quantitative evaluation of suppression of the second side-band. The theory of wide-band RC and LC phase-shifting devices is discussed in detail and a detailed engineering calculation of such devices is presented. Considerable experimental material which can be used in designing systems with phase networks is included in the book. In writing this book the authors drew from the work conducted at

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Single-Band Modulation (Cont.)

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the MEIS and the NIITS. They also investigated a series of problems connected with the analysis of properties, with methods of developing and using multiphase frequency conversion systems in radio and in wire communication, and broadcasting techniques. Ch. I. of the book was written jointly by the authors, ch. II and III were written by B.B. Shteyn and ch. IV by N.A. Chernyak. The authors thank V.M. Rozov, Candidate of Technical Sciences, for his help in editing the book. There are 28 references; 19 Soviet (including 3 translations) and 9 English

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sov/106-59-5-6/13

AUTHOR:

Shteyn, B.B.

TITLE

Suppression of the Oscillations of the Non-Operative Side-Band in Phase-Filtered Systems (O podavlenii kolebaniy nerabochey bokovoy polosy v fazo-filitrovykh skhemakh)

PERIODICAL: Elektrosvyaz', 1959, Nr 5, pp 46-53 (USSR)

The author first reviews the third method of single side-band modulation originally described by Weaver ABSTRACT: (Proc IRE, 1956, Nr 12). The block diagram is given in Fig 1. The low-frequency input signal is converted in two balanced modulators into two output signals, having a common low frequency but a phase difference of 90°. To obtain this, a sub-carrier of frequency

$$F_0 = \frac{F_{\text{max}} + F_{\text{min}}}{2}$$

where $F_{\mbox{max}}$ and $F_{\mbox{min}}$ are the maximum and minimum frequencies of the input signal, is applied directly to one balanced modulator and also, after being phase-changed

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by 90°, applied to the other balanced modulator. The lower sidebands of the modulator outputs are passed by filters, giving the two output signals with a phase difference of 90°. These signals are passed to two more balanced filters in which the single side-band signal is formed by modulating a high-frequency carrier f_0 and summating the outputs. Suppression of the second side-band in such a two-phase system is given approximately by

 $N = \frac{2}{\sqrt{(\Delta_1 + \Delta_2)^2 + \delta^2}}$ (4)

where Δ_1 and Δ_2 are the phase asymmetries in the high and low-frequency paths respectively and $\overline{\bullet}$ is the amplitude asymmetry. In the Weaver method, the phase shifts take place at fixed frequencies and therefore can be obtained with an accuracy $0^{\circ}10^{\circ}-0^{\circ}15^{\circ}$. The phase asymmetry of an RC phase shifter depends, however, on the stability of the frequency F_0 applied to it,

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$$A_2^1 = -\sin \frac{\Delta F_0}{F_0}$$

for $O = 90^\circ$, $A_2^1 = \frac{\Delta F_0}{F_0}$ and if the frequency instability is $\frac{\Delta F_0}{F_0} = 10^{-3}$, then $A_2^1 = 0^{-4}$. The stability of the

phase shifter elements $\frac{1}{2}$ has a value $\frac{1}{4} = 0^{\circ}10^{\circ} - 0^{\circ}15^{\circ}$ and the total low-frequency asymmetry $\frac{1}{4}$ 2 will be of the order $0^{\circ}15^{\circ} - 0^{\circ}20^{\circ}$. The frequency f_{0} is usually quartz stabilised and its instability is negligibly small. The phase asymmetry of the second phase shifter is therefore $0^{\circ}10^{\circ} - 0^{\circ}15^{\circ}$. Thus, the total phase asymmetry from both the high and the low-frequency paths is approximately $0^{\circ}30^{\circ}$. However, differences in the filter characteristics can introduce phase asymmetry but, with careful construction, the total asymmetry should not exceed 1.5° . The amplitude asymmetry depends on the operation of the four balanced modulators and the two filters in the low frequency paths. The amplitude asymmetry introduced by

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Suppression of the Oscillations of the Non-Operative Side-Band in Phase-Filtered Systems

non-linearity in the characteristics of the balanced modulators depends on the depth of modulation. The amplitude asymmetry also depends on the frequency characteristics of the filters and of the balanced modulators. Graphs of $N=\phi(\Delta,\mathcal{E})$, where $\Delta=\Delta_1+\Delta_2$ are given in Fig 3. With $\Delta=0^\circ30^\circ$ and $\mathfrak{S}=1\%$, N=43.9 dB; with $\Delta=1^\circ$ and $\mathfrak{S}=1\%$, N=40 dB. In general, the amplitude asymmetry is less than 2%. Weaver's experimental data showed N = 30 dB and Lobanov's experimental data (Ref 5) showed side-band suppression of 40 dB. The theory of the third method of formation of the single side-band can be extended to a three-phase modulation system with phase shifts of 120°. The block diagram is given in Fig 4. The principle of the circuit is similar to that of the twophase circuit, except that the sub-carriers applied to the first two balanced modulators have a mutual phase difference of 120°. The low-frequency filters pass two low-frequency signals having the same frequency but a phase difference of 120°. These signals

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sov/106-59-5-6/13

Suppression of the Oscillations of the Non-Operative Side-Band in Phase-Filtered Systems

are applied to a three-phase converter (Fig 5) which produces three low-frequency signals differing one from the other by a phase difference of 120°. These signals modulate three high-frequency carriers, which have a common frequency but differ one from the others by 120°. This system gives greater suppression of the non-operative side-band

$$N = \frac{3}{\sqrt{(\Delta_1 + \Delta_2)^2 + \delta^2}}$$
 (6)

Finally, the author compares Weaver's systems with Villard's type of multi-phase modulation (Proc.IRE, 1956, Nr 12), the block diagram of which is given in Fig 8. For Villard's circuit, assuming that $\delta = 0$, the suppression is given by

$$N = \frac{4}{(\Delta_1 + \Delta_2)^2} \tag{?}$$

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507/106-59-5-6/13

Suppression of the Oscillations of the Non-Operative Side-Band in Phase-Filtered Systems

Published experimental data shows that in the band 100 - 5000 c/s, N = 47 - 55 dB. The author expresses thanks to Professor B.P.Terentyev who read the manuscript and gave valuable advice. There are 8 figures and 5 references, 3 of which are Soviet and 2 English.

SUBMITTED: 5th January 1959

card 6/6

KLYAGIN, L.Ye, prepod.; SHTEYN, B.B., prepod.; BOGOSLOVSKIY, Yu.V., prepod.; KALASHNIKOV, N.I., prepod.; TERENT'YEV, B.P., prepod.; ROZENTSVEYG, I.Ye., prepod.; VASIL'YEV, Ye.K., prepod.; PETROV, V.F., prepod.; SHUMILIN, M.S.; GALOYAN, M.A., red.; SLUTSKIN, A.A., tekhn. red.

[Radio transmitting devices] Radioperedaiushchie ustroistva. Moskva, Sviaz'izdat, 1962. 710 p. (MIRA 16:4)

1. Kafedra radioperedayushchikh ustroystv Moskovskogo elektrotekhnicheskogo instituta svyazi (for all except Shumilin, Galoyan, Slutskin). (Radio—Transmitters and transmission)

SHTEYN, B. VA.

VERNIK, Aleksandr Borisovich; BURMISTROV, P.I., kandidat tekhnicheskikh nauk, retsenzent; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk, retsenzent; retsenzent; MEKIER, A.G., kandidat tekhnicheskikh nauk, retsenzent; NIKOLAYEVSKIY, G.M., kandidat tekhnicheskikh nauk, retsenzent; SNESAREV, G.A., kandidat tekhnicheskikh nauk, retsenzent; FINEL!—SHTEYN, B.Ye., kandidat tekhnicheskikh nauk, retsenzent; KAZAK, S.A., kandidat tekhnicheskikh nauk, re

[Bridge cranes of great lifting power; design, calculation, and installation] Mostovye krany bol'shoi gruzopod"emnosti; konstuirovanie, raschet i izgotovlenie. Moskva. Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1956.

(Granes, derricks, etc.)

SHTEYN, E.B., ANIKANOVA, K.F., BETTS, G.E., ZHAKOVA, V.G., KOMSKAYA, N.F., KARMIN, B.K., PRISS, L.S., REZNIKOVSVIY, M.M. CHERNIKINA, L.A.

"Soviet Polyisoprene Rubber SKI, Similar to Natural Rubber in Structure and Properties." Kauchuk i Rezina, No. 1, pp. 4-14, 1957

Translation 1119944

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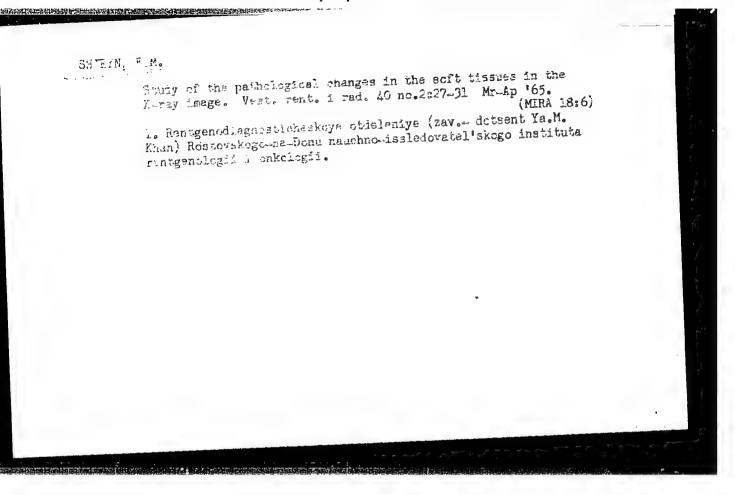
SHTEYN, F.M. (Rostov-ne-Donu, 24, ul. Tel'mana, d.141, kv.3)

K-ray examination of soft tissue timors with carbon dioxide contrasting. Vop. onk. 9 no.11:58-62 '63. (MIRA 18:2)

1. Iz rentgenodiagnosticheskogo otdeleniya (zav.- dotsent Ya.M. Khan) Rostovskogo-na-Dont nauchno-issledovatel'skogo instituta rentgenologii, radiologii i onkologii (dir.- kand. med. nauk A.K. Parkov).

"APPROVED FOR RELEASE: 07/13/2001

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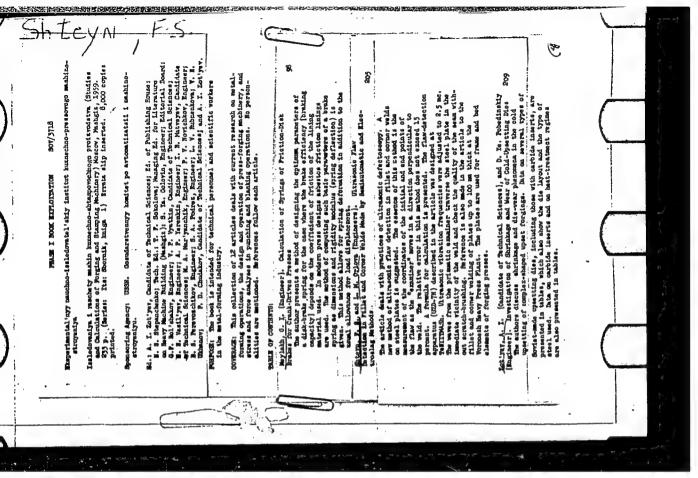
SHIFTH, ES.

PHASE I BOOK EXPLOITATION

sov/4997

- Novichkov, Petr Vasil'yevich, Solomon Markovich Reyzin, and Feliks Solomonivich Shteyn
- Metody bezokislitel'nogo nagreva kuznechnykh zagotovok; obsor (Methods of Scale-Free Heating of Blanks for Forging; a Survey) Leningrad, 1959. 55 p. 6,500 copies printed. (Series: Seriya Kovka i shtampovka)
- Sponsoring Agency: Obshchestvo po rasprostraneniyu politicheskikh i nauchnykh znaniy RSFSR, Leningradskiy dom nauchno-tekhnicheskoy propagandy, NTO Mashprom. Sektsiya obrabotki metallov davleniyem
- Ed. (Title page): M.A. Kuz'min, Doctor of Technical Sciences, Professor; Tech.Ed.: M.M. Kubneva
- PURPOSE: This booklet is intended for engineers and workers in the heat-treatment and pressworking shops of machine plants.
- COVERAGE: The authors discuss the various types of flame furnaces used for the heating of blanks without oxidation. Also considered are electrical methods of heating (including the use of electrolyte baths) technical and economic bases for the Card 1/3

Methods of Scale-Free Heating (Cont.) SOV/4997	
selection of suitable heating installations, and safety technique. No alities are mentioned. There are 33 references: 27 Soviet, 4 English 2 German.	
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POZNYAK, L.A.; SHTEYN, F.S.; SOLTYK, V.Ya.; ABRAMOVA, V.P.

Exchange of experience. Zav.lab. 28 no.5:598 '62. (MIRA 15:6)

1. Eksperimental'ny, nauchno-issledovatel'skiy institut kuznechnopressovogo mashinostrojeniya (for Poznyak, Shteyn). 2. Institut liteynogo proizvodstva AN USSR (for Soltjk). 3. TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii i mashinostrojeniya (for Abramova).

(Metals--Testing)

POZNYAK, L.A., kand.tekhn.nauk.; SHTEYN, F.S., inzh.; ORLOVA, L.M., inzh.

Selecting optima temperatures for the hardening of certain die steels. Metalloved. i term. obr. met. no.10:45-50 0 62. (MIRA 15:10)

1. Eksperimental'nyy nauchno-issledovatel'skiy institut kuznechno-pressovogo mashinostroyeniya. (Tool steel-Hardening)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020009-9

L 15264-65 EWT(m)/EWA(d)/EWP(t)/EWP(k)/EWP(b) Pf-4 MJW/JD/HW/JT ACCESSION NR: AT4048349 S/3000/64/000/009/0044/0051

AUTHOR: Poznyak, L. A. (Candidate of technical sciences); Shteyn, F. S. (Engineer); & Yesenkova, M. V. (Engineer)

TITLE: Development of conditions for the heat treatment of steels E1944 and E1945, used for cold stamping machines

SOURCE: Moscow. Eksperimental'ny*y nauchno-issledavatel'skiy institut kuzuechno-pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya. Nauchny*ye trudy*, no. 9, 1964, Shtampovy*ye stali; pressovogo mashinostroyeniya.

TOPIC TAGS: steel mechanical property, steel heat treatment, stamp steel, cold stamping/steel E1944, steel E1945

ABSTRACT: Samples of steels E1944 and E1945 of known chemical composition were tested for ability to withstand pressures above 160 kg/mm² during cold stamping. Samples were quenched from no more than 1150-1160C, cooled in oil, and tempered at no more than 550-560C. Quenching was carried out to a secondary hardness at the highest temperatures at which the samples retained a small grain. Data on hardness and the coarseness of the grain are presented both tabularly and graphically and compared with

Card 1/2

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ACCESSION NR: AT4048349

curves for other steels. Tempering at various temperatures and pressures showed the plastic deformation of E1944 and E1945 to be significantly less than that of previously used steels. Therefore, steels E1944 and E1945 may be used to make stamping machines which operate at low and medium temperatures. For optimal working properties of a steel used for cold stamping, the primary hardness must be obtained by tempering at temperatures between 180-200C, at stresses of 20-40 joule/cm² for E1944 and 40-60 joule/cm² for E1945 in a nitrate bath, three times in one hour. "Steels E1944 and E1945 were produced under the auspices of VNIIPP." Orig, art. has: 8 graphs and 4 tables.

ASSOCIATION: Experimental ny*y nauchno-issledovatel skiy institut kuznechno-pressovogo mashinostroyeniya, Moscoe (Experimental Scientific Research Institute of Foundry Machinery)

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

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NO REF SOV: 004

OTHER: 000

Card 2/2

POZNYAK, L.A., kand. tekhn. nauk; ORLOVA, L.M., inzh.; YEVSTRATOVA, V.M., inzh.; SHTEYN, F.S., inzh.; SHKATOV, A.P., inzh.

Microstructure of certain die steels for the cold and hot forming of metals and alloys. [Nauch. trudy] ENIKMASHa no.9:73-127 '64. (MIRA 17:11)

SHTEYN, F.Ye.

Subcutaneous oxygen injection and resort factors in treating neurasthenia. Vrach.delo no.8:365 A; 158 (MIRA 11:8)

1. Nervnoye otdeleniye Lermontovskogo kurorta v Odesse.

(MEMIRASTHENIA)

(OXYGEN--THERAPEUTIC USE)

USSR / Zooparasitology - Other Parasites

G-4

Abs Jour: Ref Zhur-Biol., No 9, 1958, 38629.

Author : Shteyn, G. A. Inst : Not given.

Title : Orthonektid Genus Rhopalura Giard of Some Mollusks

in the Barents Sea.

Orig Pub: Uchen. zap. Karelo-Fin. un-ta, 1953, 5, No 3, 171-

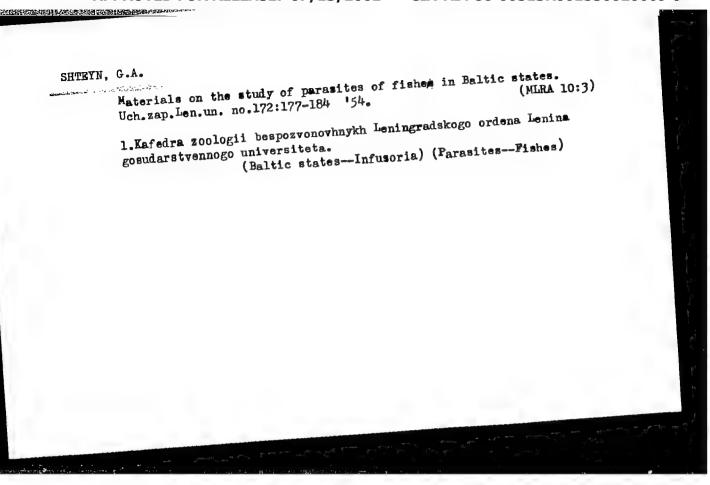
206.

Abstract: A description of Rh. elongata sp. n., Rh. major sp. n., Rh. murmanica sp. n. and Rh. litoralis sp. n. of lamellinbrachia, gastropoda, and scaphopoda mollusks from the Murmansk littoral of the Barents Sea. Comparative feature charts of all known species of Rhopalura and charts of their propagation by hosts. Some data on orthonektid morphology and

evolution.

Card 1/1

30



SHTEYN, G.A.

Life cycle of Plagiorchie multiglandularis Semenow, 1927 (Trematoda,
Plagiorchidae) [with summary in German]. Trudy Len. ob-va est. 73
Plagiorchidae) (WIRA 11:6)
no.4:213-217 '57.

1. Kafedra zoologii bespozvonochnykh Leningradskoge universiteta.

(Karelia—Trematoda) (Parasites—May flies)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020009-9

SHTEYN, G. A.

"Materials on the Ecology of the Benthonic Anthropoda Gregarines in Some of the Karelian Lakes."

Tenth Conference on Parasitological Problems and Diseases with Natural deservoirs, 22-29 October 1959, Vol. II, Publishing House of Academy of Sciences, USSR, Moscow-Leningrad, 1959.

Institute of Cytology of the USSR Academy of Sciences, Leningrad

CIA-RDP86-00513R001550020009-9" APPROVED FOR RELEASE: 07/13/2001

AUTHOR:

Shteyn, G. A.

SOV/20-127-6-50/51

TITLE:

On the Problem of Life Cycle and Habitation Conditions of the

Nematode Rhabdochona denudata (Dujardin, 1845)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 6, pp 1320-1321

(USSR)

ABSTRACT:

In summer 1954 and 1955, the author detected spirally would nematode larvae 1.5 to 3 mm long in the body of the ephemeral flies Heptagenia sp. and Ephemerella sp. (Lake Syamozero, Kareliya ASSR). Their structure is described (Fig 1). These parasites of ephemeral flies were determined, according to the morphological features, as the larva stage of the species mentioned in the title (subgroup of Spirurata). The species mentioned was found in fish in the above-mentioned lake in amounts of 3.3 to 23.1%. This is an indirect proof of the correctness of determination. The intermediate hosts of the said nematode are not yet known although the larva of Heptagenia sp. was reported from the USA as an experimental intermediate host (Ref 1). The two species of ephemeral flies mentioned at the beginning

Card 1/2

have, in Lake Syamozero, apparently an unequal importance as intermediate hosts. Heptagenia was infected at 21.8%, whereas

SOV/20-127-6-50/51

On the Problem of Life Cycle and Habitation Conditions of the Nematode Rhabdochona Genudata (Dujardin, 1845)

Ephemerella was only affected at 1.9%. Affection in individual places of the lake was also unequal. This was due to currents on the one hand, to a higher oxygen content and lower temperatures in the surf zone, on the other. S. S. Shul'man supplied data on the fish parasites of Lake Syamozero. There are 1 figure and 4 references, 3 of which are Soviet.

ASSOCIATION:

Institut tsitologii Akademii nauk SSSR (Institute of Cytology of the Academy of Sciences USSR). Konchezerskaya agrobiologi-cheskaya stantsiya Petrozavodskogo gosudarstvennogo universiteta

(Konchezerskaya Agrobiological Station of Petrozavodsk State

University)

PRESENTED:

May 11, 1959, by Ye. N. Pavlovskiy, Academician

SUBMITTED:

April 28, 1959

Card 2/2

Shows, T. F., Janu Pio Sei — (sics) "wata on the parasitulogy of benthle arthrope s of tertain labos in Karelin," Leningrac, 1960, 17 pp (Leningrad State Univ im A. *. Zhdanov) (KL, 35-60, 124)

SHTEYN, G.A.

Cytological study of the different stages in the life cycle of gregarines from dragonfly larvae. TSitologia 2 no.1:74-87 Ja-F '60. (MIRA 13:5)

l. Laboratoriya tsitologii odnokletochnykh organizmov Instituta tsitologii AN SSSR, Leningrad.

(GREGARINIDA) (PARASITES--DRAGON FLIES)

SHTEYN, G.A.

Gregarines parasitic in aquatic arthropods of Karelian lakes. Zool. zhur. 39 no.8:1135-1144 Ag '60. (MIRA 13:8)

1. Institute of Cytology, U.S.S.R. Academy of Sciences, Leningrad. (Karelia--Sporozoa) (Parasites--Arthropoda)

SHTEYN, G. A. (LENINGRAD)

"Cytochemical study of some stages of lifecycle of polycystic gregarines." (In Russian.)

Report presented at the 13th Annual meeting and 1st International Conference of Society of Protozoologists, Prague, 22-31 Aug 61

SHTEYN, G.A. Systematics of Urceolariidae (Infusoria, Peritricha). Zool. zhur. 40 no.8:1137-1142 Ag '61. (MIRA 14:8)

1. Institute of Cytology, U.S.S.R. Academy of Sciences (Leningrad).
(Infusoria) (Parasites—Fishes)

GINETSINSKAYA, Tatyana A.; SHTEYN, G. A.

"Okologische gesetzmassigkeiten in der bildung der parasitenfauna bei evertebrata."

report submitted for 1st Intl Cong, Parasitology, Rome, 21-26 Sep 1964.

Dept. of Zoology of Invertebrates, Leningrad State Univ, University Quay 7/9.

SHTEYN, I., kand. tekhn. nauk

Experimental construction of new types of built-up roofs. Zhil. stroi. no.1:17-19 '64. (MIRA 18:11)

ABRAGAM, S., inzhener; SHTEN, I., inzhener.

Innovators in railroad engineering. Stroitel' no.12:
5-7 D'56.

(Railroad engineering) (Bridges—Construction)

CIA-RDP86-00513R001550020009-9 "APPROVED FOR RELEASE: 07/13/2001

SHIEYN L. ..

SUBJECT:

USSR/Construction Materials

25-5-7/8

AUTHOR:

Stein, I.I (Rus. Equiv.-Shteyn, I.I.)

TITLE:

Investigation of Atmospheric Resistance of Some Kinds of Non-Roll Protective Coverings for Prefabricated Roof Panels (Issledovaniye atmosferoustoychivosti nekotorykh vidov

bezrulonnykh pokrytiy dlya sbornykh krysh)

PERIODICAL:

Izvestiya Akademii Nauk Estonskoy SSR, Seriya Tekhnicheskikh i Fiziko-Matematicheskikh Nauk, 1957, #3, pp 283, 288 (USSR)

ABSTRACT:

The Institute of Construction and Building Materials of the Estonian Academy of Sciences developed several variants of prefabricated roofs for large-scale housing construction using large panels. Problems of improving their atmospheric resistance and water-tightness by means of surface protection and volume-

tric improvement of concrete were investigated. Results of these investigations were as follows:

1. Bituminous covering with aluminum suspension and bitumencement covering proved to be the most atmospheric resistant

among those considered:

Card 1/3

2. The atmospheric resistance of protective surface coat-

23-3-7/8

TITLE:

设计算证明实出的公司实验的经验证实验的证明证明,不同时能够实验证明实证实验

Investigation of Atmospheric Resistance of Some Kinds of Non-Roll Protective Coverings for Prefabricated Roof Fanels (Issledovaniye atmosferoustoychivosti nekotorykh vidov bezrulonnykh pokrytiy dlya sbornykh krysh)

ings of concrete samples made with solutions of silico-organic substances proved to be considerably lower than that cited in special literature. Therefore, the application of methyltrichlorsilicane and silicon ethyl ether is not recommended; trichlorsilicane and silicon ethyl ether is not recommended; 3. Concrete with admixtures of naphtha soap and densely

- 3. Concrete with admixtures of happines star and services vibrated concrete tested 1.5 months after their manufacturing, vibrated concrete tested 1.5 months after their manufacturing, vibrated concrete water-proof than cement-sand tiles.
- 4. The application of tar paper upon oil shale bitumen for protection of reinforced-concrete panels of prefabricated roofs is not recommended without special measures protecting its surface, because its atmospheric resistance is the lowest in comparison with all other coverings investigated.

The article contains 2 diagrams, 1 graph and 2 tables. There are 6 references all Slavic.

Card 2/3

23-3-7/8

TITLE:

Investigation of Atmospheric Resistance of Some Kinds of Non-Roll Protective Coverings for Prefabricated Roof Panels (Issledovaniye atmosferoustoychivosti nekotorykh vidov

bezrulonnykh pokrytiy dlya shornykh krysh)

ASSOCIATION: Institute of Construction and Building Materials of the Estonian

Academy of Sciences

PRESENTED BY:

SUBMITTED: On 18 April 1957

AVAILABLE: At the Library of Congress.

Card 3/3

SHTEYN, I.I.

Moisture cycle of heated roofs of industrial buildings in the Estonian S.S.R. Prom. stroi. 42 no.10:39-41 0 '64. (MIRA 17:11)

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020009-9

SETEYN, I. I.: Master Tech Sci (diss) -- "Industrial loft roofs in the residential construction of the Estonian SSR and methods of providing for their atmospheric stability". Moscow, 1958. 15 pp (Acad Construction and Architecture USSR), 175 copies (KL, No 4, 1959, 128)

KHAR'KOV, Nikolay Yeliseyevich, inzh.; ZAGL', Otto Andreyevich, inzh.; SHTEYN, Illarion Iosifovich, inzh.; MURASHKO, V.V., red.

[New developments in the manufacture of prestressed reinforced concrete] Novoe v izgotovlenii predvaritel'no napriazhennogo zhelezobetona. Odessa, Maiak, 1965.
56 p. (MIRA 18:12)

1. Trest "Chernomorskorgtekhstroy" (for all except
Murashko).

L 10998-66

SOURCE CODE: UR/0105/65/000/003/0091/0091

AUTHOR: Veshenevskiy, S. N.; Voronetskiy, B. B.; Gus'kov, P. S.; Klimov, D. Yu.; Maslennikov, L. V.; Pashkov, M. V.; Petrov, I. I.; Sokolov, I. I.; Stepanov, Yu. V.; Turovskaya, P. G.; Khechumyan, A. P.; Tsein, V. S.; Shteyn, I. M. ACC NR: AP6001979

ORG: none

TITLE: Professor K. V. Urnov

SOURCE: Elektrichestvo, no. 3, 1965, 91

TOPIC TAGS: scientific personnel, academic personnel.

ABSTRACT: Konstantin Vasilevich Urnov died on 11 December 1964 after a serious illness. He was a distinguished scientist and one of the oldest electropolygraphists. He was born in 1907 and graduated from the Ivanovskiy Polytechnic Institute in 1929, after which he continued to work on the Board of Electric Installations for the next 25 years. His outstanding contribution was to relate successfully the activities of industry with those of the higher educational institutions. His name is closely linked to the development of domestic polygraphic machinery. He was imaginative, creative and bold. Since 1935 he was also engaged in teaching and scientific research work at the Moscow Power Institute and the Moscow Polygraphic Institute where he set up a course on "Electric Drives and Automation of Polygraphic Machines". He is the author of over 30 inventions and published works, including one book. He was a scientist-communist; a man of great knowledge, a good colleague and friend. Orig. art. has: 1 figure. GPRS

SUBM DATE: none

SUB CODE: Card 1/1

UDC: 621.313.1/3

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001550020009-9"

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										American Maria de la Companya del Companya del Companya de la Comp	
THE With Resolut Control	idjustable Electric Drive With Magnetic Amplifiers' Methods of Calculating Characteristics of D-C	Scholor, M.M., Docent, Candidate of Technical Sciences, F.M. Terethor, Candidate of Technical Sciences, and A.V. Shinpanetly, Sagineer. Field of Application of Induction Electric Drives With Saturable Resctors 133	Stepr. 1.N., Engineer. Frequency Control of a Micromotor Lossow, O.L., Engineer. D-C Drive With a Semiconductor Pulse Rectifier 130	Bardinskiy, S.L. Engineer. Contact Semiconductor Converter for Gas-Tube Controlled Drives	and M.G. Liganizar, unmanage of research of Electronic Converters 118 tipe of Electrony, Y.T., Engineer. Tube Converter-Inverter With a Wide Range of Specialry Prequency Regulation 122		Chilkin, M.G., and D.F. Moresor, Professors, Bostors of Technical Sciences, and D.H. Tvertin, Gindials of Technical Sciences. Palse Regulation of D-G and D.H. Tvertin, Gindials of Technical Sciences.	Etinger_Rels, Condidate of Technical Sciences, Present State and Prospects (Q. et the Development of Electronically Controlled Electric Drives*	, ,	2 7 2 F 2	ACCUSANCE MAINTENANT WAS ESSENT.
9											

ROYZEN, S.S., kand.tekhn.nauk; SHTEYN, I.M., inzh.

Automatic control of the electric drive of a continuous reduction pipe-rolling mill. Elektrichestvo no.1:82-85 Ja '61.

(MIRA 14:4)

1. Gosudarstvennyy proyektnyy institut Tyazhpromelektroproyekt.

(Automatic control)

(Pipe mills—Electric driving)

VESHENEVSKIY, S.N.; VORONETSKIY, B.B.; GUS'KOV, P.S.; KLIMOV, D.Yu.;

MASLENNIKOV, L.V.; PASHKOV, M.V.; PETROV, I.I.; SOKOLOV, I.I.;

STEPANOV, Yu.V.; TUPOVSKAYA, P.G.; KHECHUMAN, A.P.; TSEIN, V.S.;

SHTEYN, I.M.

Professor Konstantin Vasil'evich Urnov, 1907-1964; obituary. Elektrichestvo no.3:91 Mr '65. (MIRA 18:6)

S/105/61/000/001/006/007 B012/B059

AUTHORS:

Royzen, S. S., Candidate of Technical Sciences,

Shteyn, I. M., Engineer

TITLE:

Automation of the Electric Drive of a Continuous Reducing

Pipe Rolling Mill

PERIODICAL:

Elektrichestvo, 1961, No. 1, pp. 82-85

TEXT: The present article is the description of the automation of a 140-type continuous reducing rolling mill with 20 rolling sets. A device for precise speed measurement was installed in the rolling mill since the theory of rolling in continuous pipe rolling mills is not yet sufficiently elaborated and safe set-speed tolerance and admissible speed drop are not known. In working out the system of automatic speed control, a speed deviation of 0.5% maximum and an error of the speed measuring device of 0.2% maximum were assumed. Fig. 1 represents an AC-tachogenerator 0.2% maximum were assumed. Fig. 1 represents an AC-tachogenerator former operates according to the principle of the Maxwell-connection former operates according to the principle of the Maxwell-connection shown in Fig. 2a. The contactless transformer (Ref. 1, author's certificate

Card 1/5

で作用は大きななななななない。

Automation of the Electric Drive of a Continuous Reducing Pipe Rolling Mill

S/105/61/000/001/006/007 B012/B059

No. 113220 of the class 21a⁴ 71) shown in Fig 2b was used in the electric drive of the rolling mill. The layout of the electrical drive is shown in Fig. 3. The chief advantage of this system with a frequency-tachogenerator is the fact that the current in the feedback coil of the magnetic amplifier is the initial quantity of the transformer device and that this current is proportional to not only the frequency but also the feeder voltage. Magnetic amplifiers are reversible. Maximum power of the output stage is about 600 watts. Two preceding stages increased the rapid action of the magnetic amplifier and made drive stabilization easier. Fig. 4 shows a diagram of the device for precise speed measurement. The measuring method with inter-frequency-standards allowed a considerable reduction of the error. The authors point out that a final word on the expedient use of this kind of drive for continuous pipe rolling mills can be spoken only after the end of the investigations in the mill. There are 4 figures and 2 Soviet references.

ASSOCIATION: GPI Tyazhpromelektroproyekt

SUBMITTED: April 11, 1960

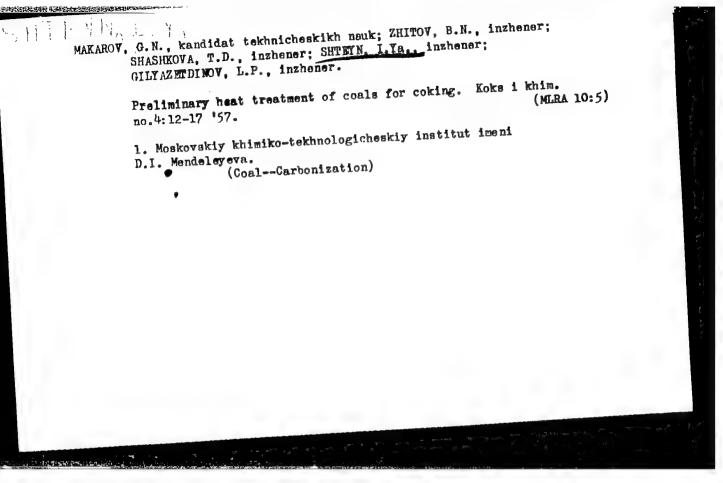
Card 2/5

VOLKOV, P.I.; MYSYUTIN, D.K.; DOBSHITS, M.L., red.; SHTEYN, I.V., red.; GUSEV, K.M., tekhn. red.

[Beacons of transportation construction; a collection of sketches of communist labor brigades at transportation construction projects] Maiaki transportnogo stroitel'stva; sbornik ocherkov o brigadakh kommunisticheskogo truda na transportnykh stroikakh. Moskva, Orgtransstroi, 1961. 270 p. (MIRA 15:2)

(Construction workers)

CIA-RDP86-00513R001550020009-9" APPROVED FOR RELEASE: 07/13/2001



Willient, TA, C. AT CHTEN, L. B.

"Lane Contraction in Marganle," Dols, AM, 50, No. C, 1947.

SHEYN, L.B.

Programme and the second

TO CONTRACT OF THE PROPERTY OF

Studies on active tonus of the lungs with bilateral water manometry. Arkh. pat., Moskva 15 no. 1:45-50 Jan-Feb 1953. (CIML 24:2)

1. Of the Department of Experimental Pathology (Head -- Prof. R. L. Perel'man), Leningrad Tuberculosis Institute imeni A. Ya. Shternierg (Director -- Docent A. D. Semenov).

SHTEYN, L. B.

SHTEYN, L. B. -- "The Appearance of Active Tonus of the Lungs Under Experimental Conditions." Min Health RSFSR. Leningrad Sanitary-Hygiene Medical Inst. Liningrad, 1955. (Dissertation for the Degree of Candidate inMedical Sciences).

So.: Knizhnaya Letopis', No. 6, 1956.

SHTEYN, L.B.

CARAMITA NEW PHONE STATE OF THE PROPERTY OF TH

Role of the reflex mechanism in open traumatic pneumothorax. Vrach.delo no.12:1269-1271 D '56. (MIRA 12:10)

1. Otdel eksperimental noy patologii (zav. - prof.L.R.Perel - man) Leningradskogo tuberkuleznogo instituta.
(PNEUMOTHORAX) (RESPIRATION)

T. 34090-66 SOURCE CODE: UR/0108/66/021/004/0040/0048 ACC NR: AP6025467 AUT. 102: Terent'yev, B. P. (Active member); Shteyn, B. B. (Active member); Filippov, V. V. (Active member); Koldin, L. B. (Active member) ORG: Scientific-Technical Society of Radio Technology and Electrocommunications in. A. S. Popov (Nauchno-tekhnicheskoye obshchestvo radiotekhniki i elektrosvyasi) TITLE: Suppression of harmonics in radio transmitters with symmetrical transformers SOURCE: Radiotakhnika, v. 21, no. 4, 1966, 40-48 7 7 " TOPIC TAGS: electric transformer, radio transmitter, harmonic analysis, electric capacitance, electronic component ABSTRACT: An analysis of the possibility of weakening single-cycle harmonics in a transmitter by connection of symmetrical transformer between the coupling condensor and the antenna feeder. The expression for the transmission coefficient of the transformer is analyzed. Experimental material is presented. Proper design of the transformer used can not only suppress the higher harmonics, but also reduce the influence of paracitic capacitance between windings. The parameters of the transformer suggested (compare schematics below with and without) are such that normal loading of the transformer is retained in the operating frequency range. A. P. Nosov, O. V. Bobov, Yu. B. Shumov, V. V. Furdujev and V. K. Alekseyev took part in the carrying out of the experimental measurements. Orig. art. has: 15 figures and 16 formulas. [JPRS: 36,087] SUB CODE: 09 / SUEN DATE: 14Dec64 / ORIG REF: 003 1/1 Card 0841

DRAGUNOV, V.I.; YEGOROV, V.Ye.; SHTEYN, L.F.

ide.

文·2007年129年124年124年120日本法公司(中心公司)中心公司大学公司中国

Pre-Upper Paleozoic reefs and reef formers as indicators of the tectonic activity in the northwestern margin of the Gentral Siberial Plateau. Geol.i geofiz. no.1:72-84 163. (MIRA 16:4)

1. Vsesoyuznyy nsuchno-issledovatel'skiy geologicheskiy institut, Leningrad.

(Central Siberian Plateau—Geology, Structural) (Central Siberian Plateau—Reefs)

SHTEYN, L.L., inzh.

Exper.mental analysis of hydraulic resistance in the valves of piston expanders. Trudy VNIIKIMASH no.9:144-150 '65.

(MIRA 18:6)

SOV/68-58-8-14/28 AUTHOR: Shteyn, L.M.

TITLE: Methods of Utilisation of Gas and Tar Obtained During the

Coking of Coal Tar Pitch (Puti ispol'zovaniya gama i

smoly, poluchayemykh pri koksovanii peka)

PERIODICAL: Koks i Khimiya, 1958, Nr 8, pp 39 - 40 (USSR)

ABSTRACT: The utilisation of the above products is discussed. It is pointed out that scrubbing of benzol from the gas on the Zaporozh ye and N. Tagil Works should be introduced. gas from the Kemerovo Coking Works should be passed to the

Kemerovo nitrogen-fertilisers works for synthetic purposes, while from the Zaporozh ye and N. Tagil Works to metallurgical works (as the gas is free from sulphur

compounds). Some research work should be carried out on the

utilisation of the gas for hydrogenating purposes.

Kemerovskiy sovnarkhoz (Kemerovo sovnarkhoz) ASSOCIATION:

1. Coal tar--Applications 2. Coal gas--Applications Uard 1/1

3. Pitch--Processing

CIA-RDP86-00513R001550020009-9 "APPROVED FOR RELEASE: 07/13/2001

5(4). AUTHORS:

Krasnov, K. S., Shteyn, L. M.

SOV/78-4-5-2/46

TITLE:

Energy in the Molecules of the Halides of Alkali The Bond

Metals

(Energiya svyazi v molekulakh galogenidov shchelochnykh

metallov)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1959, Vol 4, Nr 5,

pp 963-968 (USSR)

ABSTRACT:

The binding energy W in molecules of the halides of alkali metals was calculated at O according to the formula by

Rittner (Ref 4):

 $W = g + Ae^{-r/Q} \cdot \frac{c}{r^6} + \frac{hv_0}{2},$

 $\varphi = -\frac{e^2}{r} - \frac{e^2(a_1 + a_2)}{2r^4} - \frac{2e^2a_1a_2}{r^4}$

Card 1/4

where $Ae^{-r/o}$ denotes the repulsion energy; $\frac{c}{6}$ - the energy

SOV/78-4-5-2/46

The Bond Energy in the Molecules of the Halides of Alkali Metals

are in good agreement. Bold energies of the alvald halides are given by table 1. The differences between theoretical and thermo-chemical values in the binding energy are discussed. The repulsion coefficients for chlorides and fluorides and the following average repulsion coefficients for all alkali halides were determined: NaCl - Q = 0.332; KCl - Q = 0.343; RbCl - Q = 0.355; CsCl - Q = 0.370; NaBr - Q = 0.346; KBr - Q = 0.374 and NaJ - Q = 0.384. The coefficient Q increases from chloride to iodide and from sodium salt to cesium salt. The Q values found are higher than those calculated by Rice and Klemperer (Ref 13). There are 1 table and 13 references, 6 of which are Soviet.

ASSOCIATION: Ivanovskiy khimiko-tekhnologicheskiy institut (Ivanovo Chemical-technological Institute)

Card 3/4

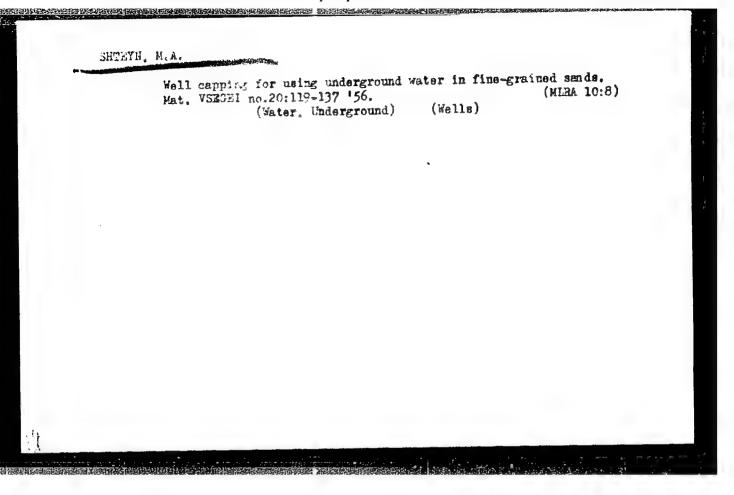
VATCHENKO, G. [Vatchenko, H.]; OGRYZKINA, O. [Ohryzkina, O.];
STRUCHKOVA, N.; KHANIAS-NIBO, M.; CHERNYKH, O.; CHUMACHENKO, V.;
SHEVCHENKO, G. [Shevchenko, H.]; DEMERDZHI, D., red.; SHTEYH, M.,
red.; KCLOMOYTSEVA, F., tekhn.red.

[Dnepropetrovsk; reference-guidebook] Dnipropetrovsk; dovidnyk putivnyk. Vyd.2., vypravlene i dop. Dnipropetrovsk. Dnipropetrovsk. Dnipropetrovske knizhkove vyd-vo, 1959. 300 p. (MIRA 13:8)

SHTEIN, M.A.; LEYBOSHITS, A.A.

Results of increasing water well boring. Razved.i okh.nedr
21 no.1:48-52 Ja-F '55. (MLRA 9:12)

(Boring) (Water, Underground)



ANTIPIN, V.I.; BUDAHOV, M.D.; KOTLUKOV, V.A.; LEYBOSHITS, A.M.;

PROKHOROV, S.P.,, kand.geol.-miner.nauk; SIRMAN, A.P.;

FALOVSKIY, A.A.; SHTEYN, M.A.; BASKOV, Ye.A.; BOGATKOV,

Ye.A.; GANEYEVA, M.M.; ZARUBINSKIY, Ya.I.; IL'INA, Ye.V.;

KATSIYAYEV, S.K.; KOMPANIYETS, N.G.; NELYUBOV, L.P.;

PONOMAREV, A.I.; REZNICHENKO, V.T.; RULEV, N.A.; TSELIGOROVA,

A.I.; ALSTER, R.K.; SHVETSOV, P.F.; VYKHODTSEV, A.P.; KOTOVA,

A.I.; KASHKOVSKIY, G.N.; LOSEV, F.I.; ROMANOVSKAYA, L.I.;

PROKHOROV, S.P.; MATVEYEV, A.K., dots., retsenzent; CHEL'TSOV,

M.I., inzh., retsenzent; KUDASHOV, A.I., otv. red.; PETRYAKOVA,

Ye.P., red. izd-va; IL'INSKAYA, G.M., tekhn. red.

[State of flooding and conditions for the exploitation of coalbearing areas in the U.S.S.R.] Obvodnennost' i usloviia ekspluatatsii mestorozhdenii ugol'nykh raionov. Pod nauchn. red. S.P.Prokhorova. Moskva, Gosgortekhizdat, 1962. 243 p. (MIRA 15:7)

1. Moscow. Vsesoyuznyy nauchno-issledovatel skiy institut gidro-geologii i irzhenernoy geologii. 2. Kafedra geologii i geo-khimii goryuchikh iskopayemykh Moskovskogo Gosudarstvennogo universiteta (for Matveyev).

(Coal geology) (Mine water)

SAFRONOV. Fedot Grigor eyvich, kandidat istoricheskikh nauk; RYABOV. N.I., nauchnyy redaktor; SHTYNL. M.G., nauchnyy redaktor; TSYBYKTAROVA, D.S., redaktor; KAYDALOVA, M.D., tekhnicheskiy redaktor

Erofei Pavlovich Khabarov. [Khabarovsk] Khabarovskoe knizhnoe izd-vo. 1956. 31 p. (MIRA 10:7)

(Khabarov, Brofei Pavlovich, 17th cent.)

Design of composite logical devices. Izv. AN SSSR. Tekh. kib.

No.4:70-76 Jl-Ag '65.

(MIRA 12:11)

"APPROVED FOR RELEASE: 07/13/2001

Card 1/2

CIA-RDP86-00513R001550020009-9

EWT(d)/EED-2/EWP(1) UR/0280/65/000/004/0070/0076 ACCESSION NR: 38 AUTHOR: The design of combination logic devices AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 4, 1965, 70-76 TOPIC TAGS: logic design, Boolean function, computer programming, logic circuit, algorithm, coding ABSTRACT: An important step in the automation of the design of digital devices is the solution of the canonical problem of Boolean function minimization and the solution of the problem of optimum design of combination logical devices. The calculation of the set of all simple implicants of the Boolean function may require a substantial memory and long computer time even in the case of problems with the number of independent variables exceeding 10. Consequently, it would be useful if approximate estimates are made of the number of implicants and shortcuts discovered

in sorting during the establishment of the set of all simple implicants. This paper presents the methodology of the use of certain codes characterizing implicants of Boolean functions for the estimate of the number of implicants. The author proposes also a universal method for the ordering of implicants which

reduces the amount of sorting during the establishment of the shortened disjunctive

L 65228-65 0 ACCESSION NR: AP5021852 normal form (dnf) of the function. The programming of the pertinent algorithms shows that on modern digital computers, using ordering, the time needed for obtaining the shortened dnf's can be reduced by 1 to 2 orders of magnitude. same algorithm may be used for ordering implicants according to indexes. The methods proposed may prove useful in the study of various minimization methods based on the information concerning the implicants' codes, codes of their differences and indexes, and the quantitative estimate of their basic characteristics. Orig. art. has: 23 formulas. ASSOCIATION: None, SUB CODE! ENCL: SUBMITTED: 13 July 64 003 OTHER: NO REF SOV: 004

SHTEYN, N.I., inzh.

First year with our own machinery. Mekh.sil'hosp. 10 no.2:
10-11 F '59.

1. Kolkhoz "Pridniprovs'kyi" Nikopol'skogo rayona, Dnepropetrovskoy oblasti.

(Agricultural machinery)

SHTEYN, N.I.

Experience in the organization of machinery repair on the collective farm. Mekh. sil'. hosp. ll no.6:19-20 Je '60.

(MIRA 13:11)

1. Glavnyy inzhener kolkhoza "Ayrora," Wikopol'skogo rayona.

Dnepronetrovskoy oblasti.

(Nikopol' district--Agricultural machinery--Maintenance and Fepair)

RETAILED VERSON TO THE PROPERTY OF THE PROPERT

S/169/62/000/007/088/149 D228/D307

9,1700

Shteyn, N. I.

TITLE:

AUTHOR:

Some problems in the calculation of an antenna system

for an automatic wind radio-gage (APUB)(ARIV)

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 7, 1962, 11, ab-

stract 7B60 (Tr. N.-i. in-ta gidrometeorol. pribo-

rostr., no. 7, 1959, 52-54)

TEXT: Formulas are given for calculating the main parameters of two forms of dipole antenna. In one case both the dipole's halves are mutually perpendicular but do not intersect (the crossing directions); in the second case one half-dipole is a continuation of the other. In both cases the diameters of the half-dipoles and their lengths are different, which complicates the problem. A description is given of the method of calculating the distribution of current in the antenna, the input resistance, the effective height, and the radiation resistance. Abstracter's note: Complete translation.

Card 1/1

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SHTEYN, N. I.	DECEASE	D		1963/1
	c. 1961			
ELECTRONICS				
See ILC				
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CRINMAN Isaak Grigor'yevich. Prinimali uchastiye: SAKBAYEV, Zh.M.;

BLYAKH, G.I.; SHAGI-SULTAN, I.Z.; SIRAZUTDINOVA, Zh.A.;

SHTEYN, N.S.; YERMAGAMEETOV, S.B.; KOZLOV, G.S.[deceased];

IVANOV, L.G.; OSHCHENSKIY, V.M.; DZHASYBEKOVA, E.K.;

NURGALIYEVA, Kh. PRESNYAKOV, A.A., doktor tekhn. nauk,

otv. red.; ALEKSANDRIYSKIY, V.V., red.

出版社中,所以100mm的,100mm的,100mm,100mm,100mm,100mm,100mm,100mm,100mm,100mm,100mm,100mm,100mm,100mm,100mm,100mm,100mm

[Automation of nonferrous metal ore dressing processes]
Avtomatizatsiia protsessov obogashcheniia rud tsvetnykh metallov. Alma-Ata, Izd-vo AN Kaz.SSR, 1964. 213 p.
(MIRA 17:10)

1. Laboratoriya elektroniki i avtomatiki Instituta yadernoy fiziki AN Kaz.SSR (fo all except Grinman, Presnyakov, Aleksandriyskiy).

TADZHIBAYEVA, M.M.; SHTEYN, P.1.

Psychotic recrudescence in the course of the circular form of schizophrenia during the puerperal period. Trudy Dush. med. inst. 61:107-123 '63. (MIRA 17:5)

SHTEYN, R.L., inzh.; SALASHENKO, V.V., inzh.

Automation of a mazut pumping system. Energetik 11 no.10:
24-25 0 163. (MIRA 16:11)

35097

S/125/62/000/007/011/012 po40/bl13

1,2300

AUTHOR:

Shteyn, R.O.

TITLE:

Argon arc welding of tungsten

PERIODICAL:

Avtomaticheskaya svarka, no. 7, 1962, 95-96

TEXT: Electric contacts made of sintered tungsten, crucibles with 2 mm thick walls and 280 mm long muffles with 1.5 mm thick walls of rolled tungsten were welded in experiments at the Institut elektrosvarki im. Ye.O.Patona (Electric Welding Institute im. Ye.O.Paton). Welding was conducted in a vacuum chamber evacuated to 5.10 mm of mercury and filled with argon, with the use of direct polarity d.c. and tungsten electrodes. The welded joints are illustrated and the welding current and voltage, arc length, and electrode diameter used for different joints are given in a table. Preheating was employed in some cases to prevent cracking. The contacts were filled with copper and successfully passed tests; crucibles with longitudinal and annular welds were tested in a vacuum at 2000°C, and all welds were sound. Contact rings of sintered molybdenum were welded to the muffles. Fabrication by welding is simpler than the

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Argon arc welding of tungsten

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method in which press forged billets are turned, and subsequently sintered in a vacuum, or sprayed and sintered; welded muffles were three times as durable as sintered ones. There are 3 figures and 1 table.

Card 2/2

KORENYUK, Yu.M.; SHITEYN, R.O.

Mechanical properties of welded joints in BrB2 bronze. Avtom.
svar, 15 no.6:94 Je '62. (MIRA 15:5)
(Bronze--Welding)

SHTEYE, R.O.

Argon-arc welding of tungsten. Avtom. svar. 15 no.7:95-96 Jl '62.
(MIRA 15:7)

(Tungsten-Welding)

	JD/HM/JG		- 2 and - 12 and
ACCESSION NR: AP5015509		UR/0286/65/000/008/0042/ 621.791.75	0042
			29
AUTHOR: Rabkin, D. M.; Sh	teyn, R. U.; Busnarin,	V. A., GUSHCHIRE, A. V.	
TITLE: Method of fusion w	elding silver to steel	Class 21, No. 170135	
SOURCE: Byulleten'izobret	eniv i tovarnykh znako	v. no. 8, 1965, 42	
			第二条数据
TOPIC TAGS: welding, silv	er to steel welding	_,4	
ABSTRACT: This author cer	tificate introduces a	method of fusion welding sil	ver
ABSTRACT: This author cer to steel. To improve the	tificate introduces a weld quality, either a	method of fusion welding sil copper layer is deposited b	efore 🔠
ABSTRACT: This author cer to steel. To improve the welding on the steel or a	tificate introduces a weld quality, either a	method of fusion welding sil	efore 🔠
ABSTRACT: This author cer to steel. To improve the	tificate introduces a weld quality, either a	method of fusion welding sil copper layer is deposited b	efore 🔠
ABSTRACT: This author cer to steel. To improve the welding on the steel or a ASSOCIATION: none	tificate introduces a weld quality, either a	method of fusion welding sil copper layer is deposited b	efore 🔠
ABSTRACT: This author cer to steel. To improve the welding on the steel or a	tificate introduces a weld quality, either a copper-clad steel plat	method of fusion welding sil copper layer is deposited be is joined to the steel	efore 🔠

SHTEYN, S.A. Change in reflex activity during ether anesthesia and local anesthesia. Trudy 1-go MMI 3:102-118 '57. (MIRA 14 (ANESTHESIA) (REFLEXES) (MIRA 14:5)

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CIA-RDP86-00513R001550020009-9" APPROVED FOR RELEASE: 07/13/2001

14(5)

SOV/112-59-5-9631

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 5, p 169 (USSR)

AUTHOR: Shteyn, S. A., Fershtenfel'd, A. A., Mednis, E. F., and Kritskiy, Ye. L.

TITLE: Comparative Tests of Various Methods of Automatic Control for Ball Mills

PERIODICAL: Obogashcheniye rud, 1957, Nr 6, pp 55-66

ABSTRACT: Three methods of automatic control of mill operation were tested at the Noril'sk concentrating plant: constant weight of feed, constant noise, and constant circulating load; the tests were conducted from January, 1956, to April, 1957. A short description and a comparison of the above control methods are given. Seventeen illustrations.

A.A.S.

Card 1/1

Medicine See ILC

L 38472-66 EWT(d)/EWT(m)/EWP(w)/T/EWP(t)/ETI/EWP(k) LJP(c) JH/EM/HN/JG/JD ACC NR: AP6019497 (A) SOURCE CODE: UR/0129/66/000/006/0003/0007	-
AUTHOR: Shteyn, S. G.; Sukhovarov, V. F.; Butkevich, L. M.	
fizikotekhnicheskiy institut)	
TITLE: Recovery of the elastic modulus in type EI702 alloy	
SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 6, 1966, 3-7	
TOPIC TAGS: elastic modulus, high alloy steel, young moones/	
ABSTRACT: The alloy under consideration has the following composition: 35.6% nickel; 12% chromium; 1.5% aluminum; 3% titanium; 0.8% menganese; 0.33% silicon; 0.025% cerbon; remainder iron. The Young modulus was determined by the dynamic method. The value of the modulus was calculated by the formula:	
$E = 0.9463184 \cdot 10^{-8} \frac{l^4}{\ell^2} \rho v^2,$	
where $\mathcal L$ is the length of the sample; t is its thickness; $ ho$ is the density of the material; v is the vibration frequency of the sample. The absolute value of the modulus was determined with an error of	_
Card 1/2 UDC: 669.14.018.58:539.32	

ACC NR: AP6019497

0.8-1.5%. The change in the modulus was studied with stepwise annealing of the samples which had been previously quenched in water and had also been subjected to cold working by rolling. Based on the experimental data, a figure shows the dependence of the Young modulus on the annealing temperature for alloy E1702 previously deformed by 40%, and a second figure shows the same for a hardened alloy. As expected, deformation noticeably lowers the Young modulus. Another figure illustrated the Young modulus as a function of the annealing temperature of samples which had been deformed by rolling by 20%, after ageing at different temperatures. Orig. art. has: 5 figures.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: OO4/ OTH REF: OO1

SHIEYN, T.A.

PA óó T88

USSR/Medicine - Pneumonia Medicine - Measles Mar/Apr 1948

"The Pathological Anatomy of Pneumonia Relative to Focal Infections in Children," T. A. Shteyn, Path Anat Dept, Vasil Ostrov Children's Infectious Diseases Hospital, 7 pp

"Arkhiv Pathologii" Vol X, No 2

Reports study of 50 cases of pneumonia, most of which occurred with scarlet fever, diphtheria, and measles in children. Treats pathology of infections from streptococcus, pneumococcus, the Loeffler bacillus, and of amicrobic lung infections relative to measles. Includes summary and enalysis. Submitted 1946.

SHTEYN, V.G.

Refficient record blanks for testing. Izm.tekh. no.6:73-76 N-D
(MIRA 10:1)

(Testing-Forms, blanks, etc.)

Automatic heat-control instruments. Mashinostroitel' no.3:5-8
Mr '57. (Thermostat)

Chemical techniques for marking instruments and parts by rubber stamps. Mashinostroitel' no.6:40-41 Je '57. (MIRA 10:7)

(Marking devices)